

The SIN* List (*Substitute It Now) 1.1

List of new substances added to the SIN List 13 October 2009

CAS#	EC#	Name	Reason for inclusion
1002-53-5; 77-58-7; 18-1	683 201-039-8; 211-670-0	Dibutyl tin	Now: Classified CMR; Before: Equivalent concern. Updated October 2009.
1763-23-1	217-179-8	Perfluoroktansulfonsyra (PFOS)	Now: Classified CMR; Before: Equivalent concern. Updated October 2009.
-	432-750-3	O-hexyl-N-ethoxy carbonylthiocarbamate ; AERO 5460 PROMOTER	Classified CMR updated October 2009
-	435-960-3	diethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate, methyl ethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate, mixture of: dimethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate	Classified CMR updated October 2009
-	442-750-5	cobalt lithium nickel oxide	Classified CMR updated October 2009
10028-18-9 [1]; 13462-88-9 [2]; 13462-90-3 [3]; 11132-10-8 [4];	233-071-3 [1]; 236-665-0 [2]; 236-666-6 [3]; - [4];	nickel difluoride [1] nickel dibromide [2] nickel diiodide [3] nickel potassium fluoride [4]	Classified CMR updated October 2009
10043-35-3 [1]; 11113-50-1 [2]	233-139-2 [1]; 234-343-4 [2];	boric acid [1] boric acid, crude natural, containing not more than 85 per cent of H3BO3 calculated on the dry weight [2]	Classified CMR updated October 2009
10101-96-9	233-263-7	nickel(II) selenite	Classified CMR updated October 2009
10141-05-6	233-402-1	cobalt nitrate	Classified CMR updated October 2009
103112-35-2	401-290-5	ethyl 1-(2,4-dichlorophenyl)-5-trichloromethyl-1,2,4-(1H)-triazol-3-carboxylate	Classified CMR updated October 2009
103122-66-3	434-350-4	O-isobutyl-N-ethoxy carbonylthiocarbamate ; AERO 5415 PROMOTER	Classified CMR updated October 2009
105024-66-6	405-020-7	(4-ethoxyphenyl){3-(4-fluoro-3-phenoxyphenyl)propyl}dimethylsilane	Classified CMR updated October 2009
111-41-1	203-867-5	(AEEA), 2-(2-aminoethylamino)ethanol	Classified CMR updated October 2009
115-96-8	204-118-5	tris(2-chloroethyl)phosphate	Classified CMR updated October 2009
12004-35-2 [1]; 12035-39-1 [2]; 12653-76-8 [3]; 52502-12-2 [4]; 68016-03-5 [5]; 70692-93-2 [6]; 14177-55-0 [7]; 14177-51-6 [8]; 68515-84-4 [9]; 12031-65-1 [10]; 12673-58-4 [11];	234-454-8 [1]; 234-825-4 [2]; 235-752-0 [3]; 257-970-5 [4]; 268-169-5 [5]; 274-755-1 [6]; 238-034-5 [7]; 238-032-4 [8]; 271-112-7 [9]; - [10]; - [11];	dialuminium nickel tetraoxide [1]; nickel titanium trioxide [2]; nickel titanium oxide [3]; nickel divanadium hexaoxide [4]; cobalt dimolybdenum nickel octaoxide [5]; nickel zirkonium trioxide [6]; molybdenum nickel tetraoxide [7]; nickel tungsten tetraoxide [8]; olivine, nickel green [9]; lithium nickel dioxide [10]; molybdenum nickel oxide [11]	Classified CMR updated October 2009
12007-00-0 [1]; 12007-01-1 [2]; 12007-02-2 [3]; 12619-90-8 [4]; 12059-14-2 [5]; 12201-89-7 [6]; 12035-64-2 [7]; 65229-23-4 [8];	234-493-0 [1]; 234-494-6 [2]; 234-495-1 [3]; 235-723-2 [4]; 235-033-1 [5]; 235-379-3 [6]; 234-828-0 [7]; - [8];	nickel boride (NiB) [1]; dinickel boride [2]; trinickel boride [3]; nickel boride [4]; dinickel silicide [5]; nickel disilicide [6]; dinickel phosphide [7]; nickel boron phosphide [8]	Classified CMR updated October 2009
12035-38-0	234-824-9	nickel stannate, nickel tin trioxide	Classified CMR updated October 2009
12054-48-7 [1]; 11113-74-9 [2];	235-008-5 [1]; 234-348-1 [2];	nickel dihydroxide [1] nickel hydroxide [2]	Classified CMR updated October 2009

12068-61-0 [1]; 27016-75-7 [2];	235-103-1 [1]; 248- 169-1 [2];	nickel diarsenide [1] nickel arsenide [2]	Classified CMR updated October 2009
12137-12-1	-	trinickel tetrasulfide	Classified CMR updated October 2009
12142-88-0	235-260-6	nickel telluride	Classified CMR updated October 2009
1303-86-2	215-125-8	boric oxide, diboron trioxide	Classified CMR updated October 2009
13138-45-9 [1]; 14216-75-2 [2];	236-068-5 [1]; 238- 076-4 [2];	nickel dinitrate [1] nitric acid, nickel salt [2]	Classified CMR updated October 2009
1314-05-2	215-216-2	nickel selenide	Classified CMR updated October 2009
132-32-1	205-057-7	3-amino-9-ethyl carbazole, 9-ethylcarbazol-3-ylamine	Classified CMR updated October 2009
1330-43-4, 12179-04-3, 1303-96-4 [1]; 12267-73-1 [2]; 13840-56-7 [3];	215-540-4 [1]; 235- 541-3 [2]; 237-560- 2 [3];	boric acid, disodium salt, disodium tetraborate, anhydrous; borax pentahydrate, disodium tetraborate pentahydrate; borax decahydrate, disodium tetraborate decahydrate [1] tetraboron disodium heptaoxide, hydrate [2] orthoboric acid, sodium salt [3]	Classified CMR updated October 2009
13477-70-8	236-771-7	nickel(II) arsenate, trinickel bis(arsenate)	Classified CMR updated October 2009
13517-20-9 [1]; 37244-98-7 [2]; 10486-00-7 [3];	[1]; [2]; [3]; [4];	perboric acid (H3BO2(O2)), monosodium salt trihydrate [1] perboric acid, sodium salt, tetrahydrate [2] perboric acid (HBO(O2)), sodium salt, tetrahydrate [3]	Classified CMR updated October 2009
13637-71-3	237-124-1	nickel diperchlorate, perchloric acid, nickel(II) salt	Classified CMR updated October 2009
13689-92-4	237-205-1	nickel dithiocyanate	Classified CMR updated October 2009
13770-89-3	237-396-1	nickel bis(sulfamidate), nickel sulfamate	Classified CMR updated October 2009
13842-46-1 [1]; 15699-18-0 [2];	237-563-9 [1]; 239- 793-2 [2];	nickel dipotassium bis(sulfate) [1] diammonium nickel bis(sulfate) [2]	Classified CMR updated October 2009
14332-34-4 [1]; 18718-11-1 [2]; 10381-36-9 [3]; 14448-18-1 [4]; 14507-36-9 [5]; 36026-88-7 [6]; 17169-61-8 [7]; 19372-20-4 [8];	238-278-2 [1]; 242- 522-3 [2]; 233-844- 5 [3]; 238-426-6 [4]; 238-511-8 [5]; 252-840-4 [6]; - [7]; - [8];	nickel hydrogen phosphate [1] nickel bis(dihydrogen phosphate) [2] trinickel bis(orthophosphate) [3] dinickel diphosphate [4] nickel bis(phosphinate) [5] nickel phosphinate [6] phosphoric acid, calcium nickel salt [7] diphosphoric acid, nickel(II) salt [8]	Classified CMR updated October 2009
14708-14-6	238-753-4	nickel bis(tetrafluoroborate)	Classified CMR updated October 2009
14721-18-7	238-766-5	nickel chromate	Classified CMR updated October 2009
14874-78-3	238-946-3	dinickel hexacyanoferrate	Classified CMR updated October 2009
15060-62-5	239-125-2	nickel selenate	Classified CMR updated October 2009
15120-21-5 [1]; 11138-47-9 [2]; 12040-72-1 [3]; 7632-04-4 [4]; 10332-33-9 [5];	239-172-9 [1]; 234- 390-0 [2]; [3]; 231- 556-4 [4]; [5];	sodium perborate [1] perboric acid, sodium salt [2] perboric acid, sodium salt, monohydrate [3] sodium peroxometaborate [4] perboric acid (HBO(O2)), sodium salt, monohydrate [5]	Classified CMR updated October 2009
15586-38-6	239-646-5	nickel dichromate	Classified CMR updated October 2009
15780-33-3	239-876-6	nickel triuranium decaoxide	Classified CMR updated October 2009
16039-61-5	-	nickel dilactate	Classified CMR updated October 2009

16083-14-0 [1]; 3349-08-4 [2]; 39819-65-3 [3]; 18721-51-2 [4]; 18283-82-4 [5]; 22605-92-1 [6]; 4454-16-4 [7]; 7580- 31-6 [8]; 93983-68-7 [9]; 29317-63-3 [10]; 27637-46-3 [11]; 84852-37-9 [12]; 93920-10-6 [13]; 85508-43-6 [14]; 85508-44-7 [15]; 51818-56-5 [16]; 93920-09-3 [17]; 71957-07-8 [18]; 52625-25-9 [19]; 13654-40-5 [20]; 85508-45-8 [21]; 85508-46-9 [22]; 84852-35-7 [23]; 84852-39-1 [24]; 85135-77-9 [25]; 85166-19-4 [26]; 84852-36-8 [27]; 85551-28-6 [28]; 91697-41-5 [29]; 84776-45-4 [30]; 72319-19-8 [31]	240-235-8 [1]; 222 102-6 [2]; 254-642 3 [3]; 242-533-3 [4]; 242-161-1 [5]; 245-119-0 [6]; 224 699-9 [7]; 231-480 1 [8]; 301-323-2 [9]; 249-555-2 [10]; 248-585-3 [11]; 284-349-6 [12]; 300-094-6 [13]; 287-468-1 [14]; 287-469-7 [15]; 257-447-1 [16]; 300-093-0 [17]; 276-205-6 [18]; 258-051-1 [19]; 237-138-8 [20]; 287-470-2 [21]; 287-471-8 [22]; 284-347-5 [23]; 284-351-7 [24]; 285-698-7 [25]; 285-909-2 [26]; 284-348-0 [27]; 287-592-6 [28]; 294-302-1 [29]; 283-972-0 [30]; - [31];	nickel(II) trifluoroacetate [1]; nickel(II) propionate [2]; nickel bis(benzenesulfonate) [3]; nickel(II) hydrogen citrate [4]; citric acid, ammonium nickel salt [5]; citric acid, nickel salt [6]; nickel bis(2- ethylhexanoate) [7]; 2-ethylhexanoic acid, nickel salt [8]; dimethylhexanoic acid nickel salt [9]; nickel(II) isooctanoate [10]; nickel isooctanoate [11]; nickel bis(isononanoate) [12]; nickel(II) neononanoate [13]; nickel(II) isodecanoate [14]; nickel(II) neodecanoate [15]; neodecanoic acid, nickel salt [16]; nickel(II) neoundecanoate [17]; bis(d-gluconato-O1,O2)nickel [18]; nickel 3,5 bis(tert-butyl)-4-hydroxybenzoate (1:2) [19]; nickel(II) palmitate [20]; (2-ethylhexanoato-O)(isononanoato-O)nickel [21]; (isononanoato-O)(isooctanoato-O)nickel [22]; (isooctanoato- O)(neodecanoato-O)nickel [23]; (2-ethylhexanoato- O)(isodecanoato-O)nickel [24]; (2-ethylhexanoato- O)(neodecanoato-O)nickel [25]; (isodecanoato-O)(isooctanoato- O)nickel [26]; (isodecanoato-O)(isononanoato-O)nickel [27]; (isononanoato-O)(neodecanoato-O)nickel [28]; fatty acids, C6-19- branched, nickel salts [29]; fatty acids, C8-18 and C18-unsaturated,	Classified CMR updated October 2009
183196-57-8	418-260-2	potassium 1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3- morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1- propenyl]pyrazole-5-olate containing < 0.5 % N,N- dimethylformamide (EC No 200-679-5),	Classified CMR updated October 2009
199327-61-2	429-400-7	7-methoxy-6-(3-morpholin-4-yl-propoxy)-3H-quinazolin-4-one Containing < 0.5 % formamide (EC No 200-842-0)	Classified CMR updated October 2009
2040-90-6	433-890-8	2-chloro-6-fluoro-phenol	Classified CMR updated October 2009
214353-17-0	433-580-2	1-(2-amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride, containing < 0.1 % 4-chloroaniline (EC No 203-401- 0)	Classified CMR updated October 2009
21784-78-1 [1]; 13775-54-7 [2]; 31748-25-1 [3]; 37321-15-6 [4]; 12519-85-6 [5];	244-578-4 [1]; 237 411-1 [2]; 250-788 7 [3]; 253-461-7 [4]; 235-688-3 [5];	nickel(II) silicate [1] dinickel orthosilicate [2] nickel silicate (3:4) [3] silicic acid, nickel salt [4] trihydrogen hydroxybis[orthosilicato(4-)]trnickelate(3-) [5]	Classified CMR updated October 2009
2223-95-2	218-744-1	nickel(II) octadecanoate, nickel(II) stearate	Classified CMR updated October 2009
26043-11-8	247-430-7	nickel hexafluorosilicate	Classified CMR updated October 2009
27366-72-9	435-470-1	N,N-(dimethylamino)thioacetamide hydrochloride	Classified CMR updated October 2009
3033-77-0	221-221-0	2,3-epoxypropyltrimethylammonium chloride; EPTAC; Oxiranemethanaminium, N,N,N-trimethyl chloride; Glycidyltrimethylammonium chloride	Classified CMR updated October 2009
3333-67-3 [1]; 16337-84-1 [2]; 65405-96-1 [3]; 12607-70-4 [4];	222-068-2 [1]; 240 408-8 [2]; 265-748 4 [3]; 235-715-9 [4];	Basic nickel carbonate, Carbonic acid, nickel (2+) salt, Nickel carbonate [1]; Carbonic acid, nickel salt [2]; [μ -[carbonato(2-)- O:O']] dihydroxy trinickel [3]; [carbonato(2-)] tetrahydroxytrinickel [4]	Classified CMR updated October 2009
3349-06-2 [1]; 15843-02-4 [2]; 68134-59-8 [3];	222-101-0 [1]; 239- 946-6 [2]; 268-755- 0 [3];	nickel diformate [1] formic acid, nickel salt [2] formic acid, copper nickel salt [3]	Classified CMR updated October 2009
3724-43-4	425-970-6	chloro-N,N-dimethylformiminium chloride	Classified CMR updated October 2009

373-02-4 [1]; 14998-37-9 [2];	206-761-7 [1]; 239-086-1 [2];	nickel di(acetate) [1] nickel acetate [2]	Classified CMR updated October 2009
3906-55-6	223-463-2	nickel bis(4-cyclohexylbutyrate)	Classified CMR updated October 2009
40722-80-3	429-740-6	(2-chloroethyl)(3-hydroxypropyl)ammonium chloride	Classified CMR updated October 2009
4995-91-9	225-656-7	nickel(II) octanoate	Classified CMR updated October 2009
513-79-1	208-169-4	cobalt carbonate	Classified CMR updated October 2009
547-67-1 [1]; 20543-06-0 [2];	208-933-7 [1]; 243-867-2 [2];	nickel oxalate [1] oxalic acid, nickel salt [2]	Classified CMR updated October 2009
553-71-9	209-046-8	nickel dibenzoate	Classified CMR updated October 2009
5571-36-8	427-230-8	cyclic 3-(1,2-ethanediyacetale)-estra-5(10),9(11)-diene-3,17-dione	Classified CMR updated October 2009
557-19-7	209-160-8	nickel dicyanide	Classified CMR updated October 2009
613-35-4	210-338-2	N,N'-diacetylbenzidine	Classified CMR updated October 2009
629-14-1	211-076-1	1,2-diethoxyethane	Classified CMR updated October 2009
64-86-8	200-598-5	colchicine	Classified CMR updated October 2009
65277-42-1	265-667-4	1-[4-[4-[[[(2SR,4RS)-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanoneketoconazole	Classified CMR updated October 2009
67952-43-6 [1]; 14550-87-9 [2]; 71720-48-4 [3];	267-897-0 [1]; 238-596-1 [2]; 275-897-7 [3];	nickel dichlorate [1] nickel dibromate [2] ethyl hydrogen sulfate, nickel(II) salt [3]	Classified CMR updated October 2009
68130-19-8	-	silicic acid, lead nickel salt	Classified CMR updated October 2009
68186-89-0 [1]; 58591-45-0 [2]; 12737-30-3 [3];	269-051-6 [1]; 261-346-8 [2]; - [3];	C.I. 77332, C.I. Pigment Black 25, cobalt nickel gray periclase [1] cobalt nickel dioxide [2] cobalt nickel oxide [3]	Classified CMR updated October 2009
68610-24-2	271-853-6	C.I. 77900, C.I. Pigment Yellow 157, nickel barium titanium primrose priderite	Classified CMR updated October 2009
69012-50-6	273-749-6	nickel matte	Classified CMR updated October 2009
71-48-7	200-755-8	cobalt acetate	Classified CMR updated October 2009
71888-89-6	276-158-1	1,2-benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich	Classified CMR updated October 2009
74195-78-1	-	diammonium nickel hexacyanoferrate	Classified CMR updated October 2009
7439-97-6	231-106-7	mercury	Classified CMR updated October 2009
74646-29-0	-	trinickel bis(arsenite)	Classified CMR updated October 2009
75113-37-0	401-040-5	dibutyltin hydrogen borate	Classified CMR updated October 2009
77-09-8	201-004-7	phenolphthalein	Classified CMR updated October 2009
7718-54-9	231-743-0	nickel dichloride	Classified CMR updated October 2009
7757-95-1 [1]; 15851-52-2 [2]; 15852-21-8 [3]; 68130-36-9 [4];	231-827-7 [1]; 239-967-0 [2]; 239-974-9 [3]; 268-585-7 [4];	nickel(II) sulfite [1]; nickel tellurium trioxide [2]; nickel tellurium tetraoxide [3]; molybdenum nickel hydroxide oxide phosphate [4]	Classified CMR updated October 2009
7786-81-4	232-104-9	nickel sulfate	Classified CMR updated October 2009
82413-20-5	428-010-4	(E)-3-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-2-phenylbut-1-enyl]phenol	Classified CMR updated October 2009

84245-12-5	424-550-1	N-[6,9-dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-6-oxo-1H-purin-2-yl]acetamide	Classified CMR updated October 2009
84-69-5	201-553-2	diisobutyl phthalate	Classified CMR updated October 2009
872-50-4	212-828-1	N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone	Classified CMR updated October 2009
91-22-5	202-051-6	quinoline	Classified CMR updated October 2009
91-95-2	202-110-6	biphenyl-3,3',4,4'-tetrayltetraamine, diaminobenzidine	Classified CMR updated October 2009
92129-57-2	295-859-3	slimes and sludges, copper electrolytic refining, decopperised, nickel sulfate	Classified CMR updated October 2009
94551-87-8	305-433-1	slimes and sludges, copper electrolyte refining, decopperised	Classified CMR updated October 2009
94723-86-1	425-150-8	2-butyryl-3-hydroxy-5-thiocyclohexan-3-yl-cyclohex-2-en-1-one	Classified CMR updated October 2009